EOSDIS Core System Project

Configuration Audits for Flight Operations Segment (FOS) Release B for the ECS Project

September 1997

Hughes Information Technology Systems
Upper Marlboro, Maryland

Configuration Audits for Flight Operations Segment (FOS) Release B for the ECS Project

September 1997

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CDRL Item #081

SUBMITTED BY

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Preface

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Abstract

This report is a documented account of configuration audits conducted on the Flight Operations Segment Release B during the period from June 13, 1997 until October 1, 1997.

The report includes:

- Planning process

- Conduct of configuration audits;

- Results of the Physical Configuration Audits (PCAs) and the Functional Configuration Audit (FCA);

- Lessons learned from these audits.

Keywords: Acceptance Test, Certification, Configuration audits, DD Form 250, FCA, Flight Operations Segment, FOS, Functional Configuration Audit, Material Inspection and Receiving Report, MIRR, PBL, PCA, Physical Configuration Audit, Product Baseline, and Status Accounting

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Abbreviation and Acronyms

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1. Introduction

1.1 Identification

This Audit Report Document, Contract Data Requirements List (CDRL) Item 081, whose requirements are specified in Data Item Description (DID) 506/PA3, is a required deliverable under the Earth Observing System (EOS) Data and Information System (EOSDIS) Core System (ECS) Contract (NAS 5-60000).

1.2 Scope

This document describes the Audit Report results from the accomplishment of the Physical Configuration Audit (PCA) of the Flight Operations Segment (FOS), Release B. Included also in this document is information on the preliminary Functional Configuration Audit (FCA) of the released FOS configuration. Collectively these audits will be referred to as the FOS audits.

The audit period was from June 13, 1997 until October 1, 1997 on which date the Material Inspection and Receiving Report (DD Form 250) was submitted to the government for this ECS Release.

1.3 Objectives

Objectives of the FOS audits were as follows:

- Examine "as built" ECS configuration to assure it conformed to Release B design documentation (PCA).

- Evaluate functional characteristics of the ECS system to assure it met design requirements specified in contract (FCA).

- Certify that hardware and software configuration audited is configured in accordance with Product (Release B) Baseline.

- Prepare DD 250 for government signature accepting Product (Release B) Baseline at Release Readiness Review.

1.4 Purpose

This document provides the account of configuration audits conducted on the FOS Release B configuration during the reporting period.

1.5 Status and Schedule

This is a final report and is submitted in accordance with the requirement that it be released NLT 30 days after Release Readiness Review, which was held on September 2, 1997.

1.6 Organization

This report is organized as follows:

Section 1 identifies the source requirement for this report, defines the scope, establishes the purpose, and provides the schedule for delivery.

Section 2 lists parent, applicable, and reference documents for this report.

Section 3 sets forth plans for the audits and the schedule as contained in the Audit Plan.

Section 4 describes how the audits were conducted, to include revised schedules followed.

Section 5 provides results of the audits.

Section 6 summarizes lessons learned from the audits.

2. Related Documentation

2.1 Parent Document

GSFC 423-41-01, Goddard Space Flight Center, ECS Core System Statement of Work

2.2 Applicable Documents

None.

2.2.1 PCA

a. FOS Commercial Off-the-Shelf (COTS) Hardware for Release B Product Baseline, 360-TP-001-002. This technical paper describes the COTS hardware inventory for FOS, Release B. The document was modified and corrected as a result of the audit process and the documentation number listed represents the final (delivered) version. Appendices to this document, also modified and corrected during the audits, are as follows:

   (1) FOS, EOC Release B Floor Plan. (Doc No. 360-TD-001-002)

   (2) FOS Release B Hardware/Network Diagram. (Doc No. 360-TD-003-002)

   (3) FOS Release B Cable Management Plan. (Doc No. 360-TD-004-002)

   (4) FOS, Release B Hardware Diagram. (Doc No. 360-TD-002-002)

   (5) Vendor Cost and Tracking System (VCATS) Listings. (Doc No. 360-TD-006-002)

   (6) FOS, Release B Documentation List. (Doc No. 360-TD-005-002)

b. FOS Release B Version Description Document, as follows:

   (1) Preliminary (VDD_p) containing COTS Software and Shareware inventory.

   (2) Draft VDD containing Patch 11 software for Acceptance Testing.

The RRR version of the VDD, 814-RD-010-001, will be delivered at RRR+30 days.

2.2.2 FCA

a. FOS Release B Integration & Test Procedures

b. FOS Release B Acceptance Test Results (notebook format)

c. FOS Release B NCR Status (notebook format)

d. FOS Release B Level 4 Requirements Lists (notebook format)

e. FOS Release B Requirements Mappings to Test Cases (notebook format)

2.3 Reference Documents

a. Design specification(s) (e.g., DID 305, Segment/Design Specifications)*

b. Manuals (to include documentation provided by COTS hardware and software vendors as well as ECS-supplied documentation (e.g. DID 609, Operations Manual and DID 611, Mission Operations Procedures)*

c. Nonconformance reports

d. Requirement specifications for the release and/or Requirement traceability matrices (e.g., RTM database extracts)

e. Results of release verification testing (e.g., tailored listings from test database)

2.4 Information Documents

MIL STD 973, Configuration Management, dated 17 April 1992

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*   Assigned as reference documentation because final documentation is not required until RRR+30 days.

3. Planning Process

3.1 Planning Concept

Planning for this audit began almost immediately after the FOS, Release A audit was concluded so as to capitalize on lessons learned from the first audits conducted on an ECS release. Commencing in January 1997 Project CMO personnel reviewed procedures followed in the November audit, determined where improvements could be made, applied these practices during audits of Pre-Release B hardware to DAACS, developed Project Instruction for Configuration Audits, and held informal discussions with FOS management regarding the Release B audit.

In June, FOS proposed a schedule for the audits. After coordination between FOS, CMO, QA, and M&O the course of audits were established in principle. While early meetings focused on the PCA, the FCA was also covered. It was agreed to "split" the PCA into two parts (COTS hardware and COTS software/shareware) and to follow the practice (adopted for audits of the Pre-Release B Testbed hardware) to conduct of preliminary PCAs.

3.1.1 Audit Plan

Planning for the FOS audits moved forward and by mid-June a detailed plan for the audits was available. Concurrently ECS office manager nominated members of the audit team in accordance with Project Instructions CM-1-009, Configuration Audits, which required that this team:

- Develop audit plan for submission to the release manager.
- Review the Technical Data Package (TDP) for completeness.
- Conduct PCAs and the FCA.
- Certify completeness of all audits
- Present summary of PCA and FCA at CSR and RRR
- Prepare audit report

3.1.1.1 Planning

Based upon agreements reached by the audit team and the release manager a detailed plan was developed. The audit team met, completed the plan, and presented the final plan to the release manager for submission to the FOS CCB.

3.1.1.2 Development of TDP

Documents set forth in this plan were to be completed on an agreed upon schedule by responsible organizations. Prior to the audits all applicable documentation was to be reviewed by the audit team for consistency and completeness before release to the government for review.

The plan anticipated that hardware data would be obtained from the VCATS database and software information from UNIX command scripts querying each system in the FOS configuration.

For the previous release of FOS (as well as the PCA of the Pre-Release B Testbed hardware) a technical paper describing hardware components of the Product Baseline had been developed. But, profiting from experience the audit team expanded the Technical Paper to include the following documentation:

- Floorplan of EOC. This schematic reflected the as installed positions of all installed COTS hardware for FOS, Release B at the EOC. The Floorplan was the responsibility of M&O-ILS office. It became Appendix A of Technical Paper.

- Hardware Diagram (Design). This schematic reflected the as designed COTS hardware for FOS, Release B at the EOC. It was the responsibility of FOS and became Appendix B of Technical Paper.

- Hardware Network Diagram. This diagram reflected the as installed COTS network hardware for FOS, Release B hardware at the EOC. The responsibility of the Systems Management Office, this diagram became Appendix C of Technical Paper.

- Cable Management Plan. This spreadsheet reflected the as installed cabling for all installed COTS hardware for FOS, Release B at the EOC. It was the responsibility of M&O-ILS office and became Appendix D of Technical Paper.

- Vendors Cost and Tracking System (VCATS) Listings. These lists reflect the as installed COTS hardware for FOS, Release B at the EOC. This documentation was drawn from the database maintained by the M&O-ILS office. VCATS listings were incorporated into the Technical Paper as Appendix E.

- Documentation List. This list contained documents that will be delivered to the government at Release Readiness Review + 30 days. It was the responsibility of the release manager and was integrated into the Technical Paper as Appendix F.

In addition the Configuration Management Office developed a Version Description Document (VDD) of the tested software, which was developed in increments, as follows:

- VDD (Working Papers). This document contained an extract of the VDD which allowed the hardware - software mapping of the as installed COTS software to be assessed.

- Preliminary VDD. This document described the software components of the Product Baseline at the end of Acceptance Testing and allowed assessment of the custom code delivered to the EOC.

Non-conformance Reports: entered and maintained by NCR administrator were also part of the Product Baseline until closure.

Prior to each phase, the audit team reviewed this data to assure conformity to the FOS product baseline. If differences are found, corrections will be made to the VCATS database or to the diagrams / plans to bring them into conformance with the information baselined by the CCB.

The documentation listed above, which described the Product Baseline was revised after the audits and transmitted to the government as part of the DD 250 delivery.

3.1.1.3 PCA, Part 1 (COTS)

This audit will confirm that the as delivered COTS hardware at the EOC was properly reflected in product baseline documentation. The audit team utilized the product baseline documentation for the PCA.

The preliminary audit was held prior to CSR to assure that COTS HW/SW installations were in accordance with the components of the Technical. Action items were established by the audit team to bring all COTS into conformance with the product baseline.

The final PCA, Part 1 audit was held thereafter, once the audit team was assured that all action items were closed. Any discrepancies noted during final review were recorded as Non-Conformance Reports (NCR) and entered into the ECS Distributed Defect Tracking System (DDTS). The audit team scheduled an NCR Board meeting before the completion of the PCA, Part 1 at which Project CM, FOS and QA verified closure of open NCRs. Upon completion the audit team completed audit certification as required by the Project Instructions.

3.1.1.4 PCA, Part 2 (Custom Software)

The second part of this audit followed the incremental approach established above. Because of the progress of Acceptance Testing, this part of the audit had to be deferred until testing was completed to assure that custom software installed at the EOC is the final version of the delivered software and would reflect what is described in the final VDD for the tested configuration. Discrepancies noted during this review were recorded as Non-Conformance Reports and entered into Distributed Defect Tracking Software (DDTS). Upon completion of PCA, Part 2, the audit team again completed audit certification as required by the Project Instructions.

3.1.1.5 FCA

This audit intended to confirm that all functional, performance, and interface design requirements had been tested and any non-conformance was assigned to an appropriate NCR for closure. FCA utilized Acceptance Test procedures and test results. This audit was conducted after completion of Acceptance Testing

Because of the complexity of the Acceptance Testing FCA was conducted the day before RRR. FOS personnel worked throughout the weekend to prepare for this audit, consolidating and cross-referencing test results and reports. However, by the end of the day on September 1, 1997, it was apparent that the audit has reviewed "raw" test analysis and that additional material was required. As a result this audit was considered a preliminary effort and a determination made that the final FCA would be re-scheduled at a later date once all required post-test analysis had been completed. Detailed results of the final FCA are not included in this report.

3.1.1.6 Reconciliation

Upon completion of all audits the audit team compiled results and prepared a briefing for presentation at the RRR. This presentation summarized the audits, to include results of the certification process, defined the product baseline established by the audits, and made recommendations regarding submission of the DD250 to the government.

3.2 Schematic
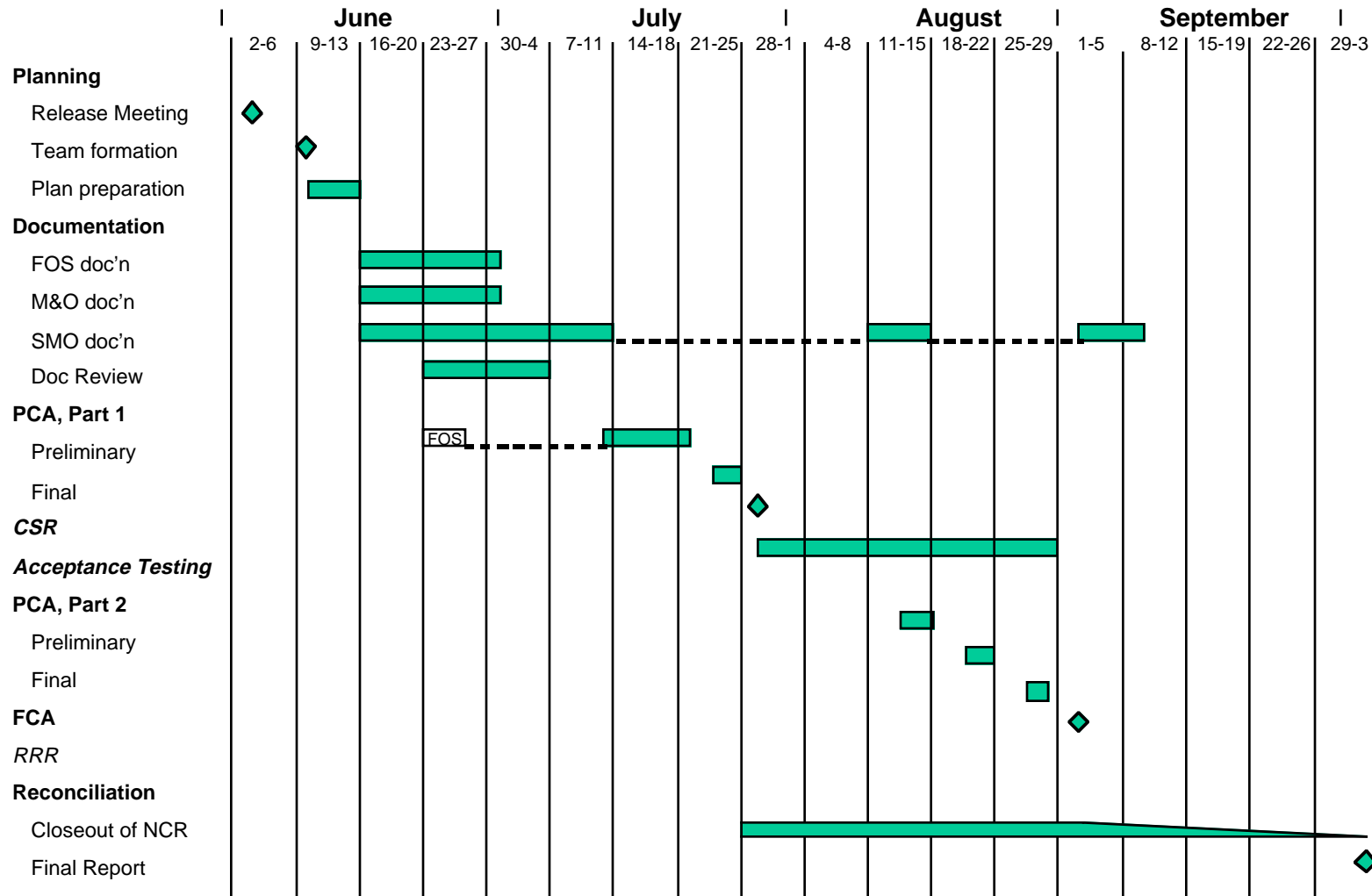
Figure 3-1. FOS, Release-B Schematic Audit Report Chart

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4. Conduct of Audits of FOS Release B

4.1 Preparation

4.1.1 Planning

June 4, 1997: Initial coordination meeting.

June 13, 1997: "Kick-off" meeting with M&O, QA, CM, and FOS representatives. At this meeting the principal matter discussed was the schedule. As a result the scheduled was sent to all members of the audit team for comment.

June 25, 1997: Initial meeting with government representatives. Draft audit plan prepared by audit team was discussed.

4.1.2 Development of TDP Documentation

July 11, 1997: Audit team met for first time. At this meeting the responsibilities of the team were discussed and the schedule for TDP delivery was discussed.

July 15, 1997: CM received all documentation required for the preliminary PCA. It was distributed to the audit team.
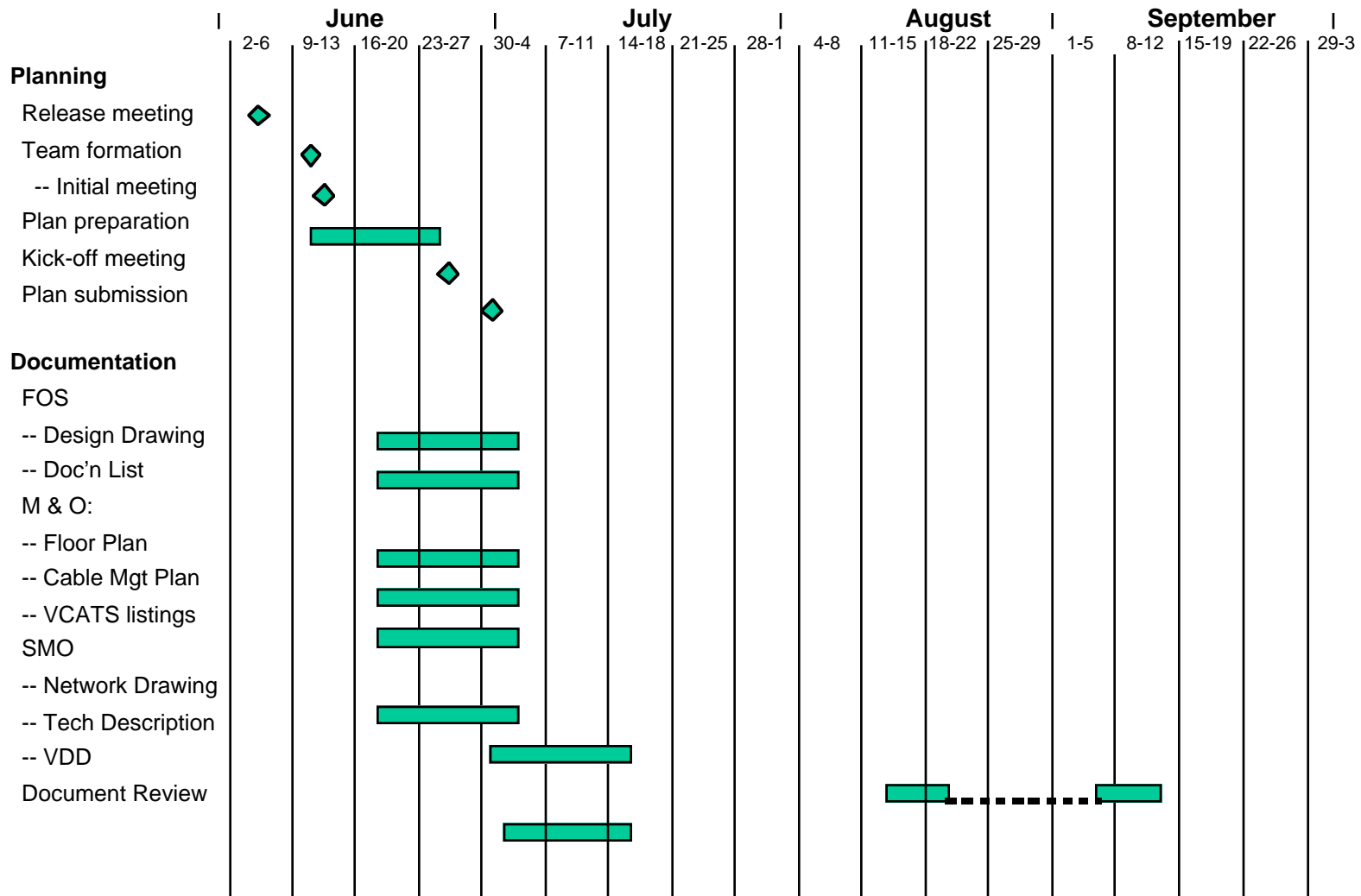
4.1.3 Schematic

Figure 4-1. FOS, Release-B Schematic Audit Report Chart

4.2 Conduct of Audits

4.2.1 PCA, Part 1

4.2.1.1 COTS Hardware

July 17, 1997: Preliminary PCA began at 9 a.m. and continued for two days.

July 18, 1997: All findings were submitted to M&O and to FOS for correction of discrepancies found. Government personnel monitored this process with interest.

July 22, 1997: Some of the updates were received and integration into the TDP began. Audit team discussed requirement for baselining and maintenance of the parts of the Technical Paper by responsible organizations. As a result the Document Management Office (DMO) was requested to provide a numbering scheme for the separately maintained components of the document. All parties agreed to this schema on August 12, 1997.

July 29, 1997: Audit team met to set out procedures for final audit.

July 30, 1997: Final PCA (Hardware) was performed at the EOC over a two-day period. See Appendix 1 for complete listing of NCRs written during this audit.

4.2.1.2 COTS Software and Shareware

July 21, 1997: Preliminary PCA of COTS software and shareware was conducted on this date.

August 11, 1997: Initial draft of VDD completed; reviewed by members of audit team.

August 21, 1997: Patch 11 released by FOS. Draft VDD, containing hardware - software mapping, was completed.

August 27, 1997: Final PCA for COTS software and shareware was conducted over a two day period. See Appendix 2 for complete listing of NCRs written during this audit.

4.2.2 PCA, Part 2

4.2.2.1 Custom Software

August 21, 1997:   Patch 11 released by FOS. Draft VDD, containing custom code listings, was completed.

August 22, 1997:   Preliminary PCA for custom software was conducted. At this time it was determined that changes were still being made to the code and the preliminary audit was deferred for one week.

August 29, 1997:   Preliminary PCA for custom software was concluded.

September 1, 1997: Final PCA for custom software was conducted . See Appendix 3 for complete listing of NCRs written during this audit.

4.2.3 FCA

September 1, 1997: FCA was initiated. See Appendix 3 for complete listing of NCRs written during this audit. Because of the complexity of the Acceptance Testing it was not possible to complete the FCA on that day and the audit was viewed as a preliminary effort until the final PCA could be scheduled.

4.2.4 Schematic
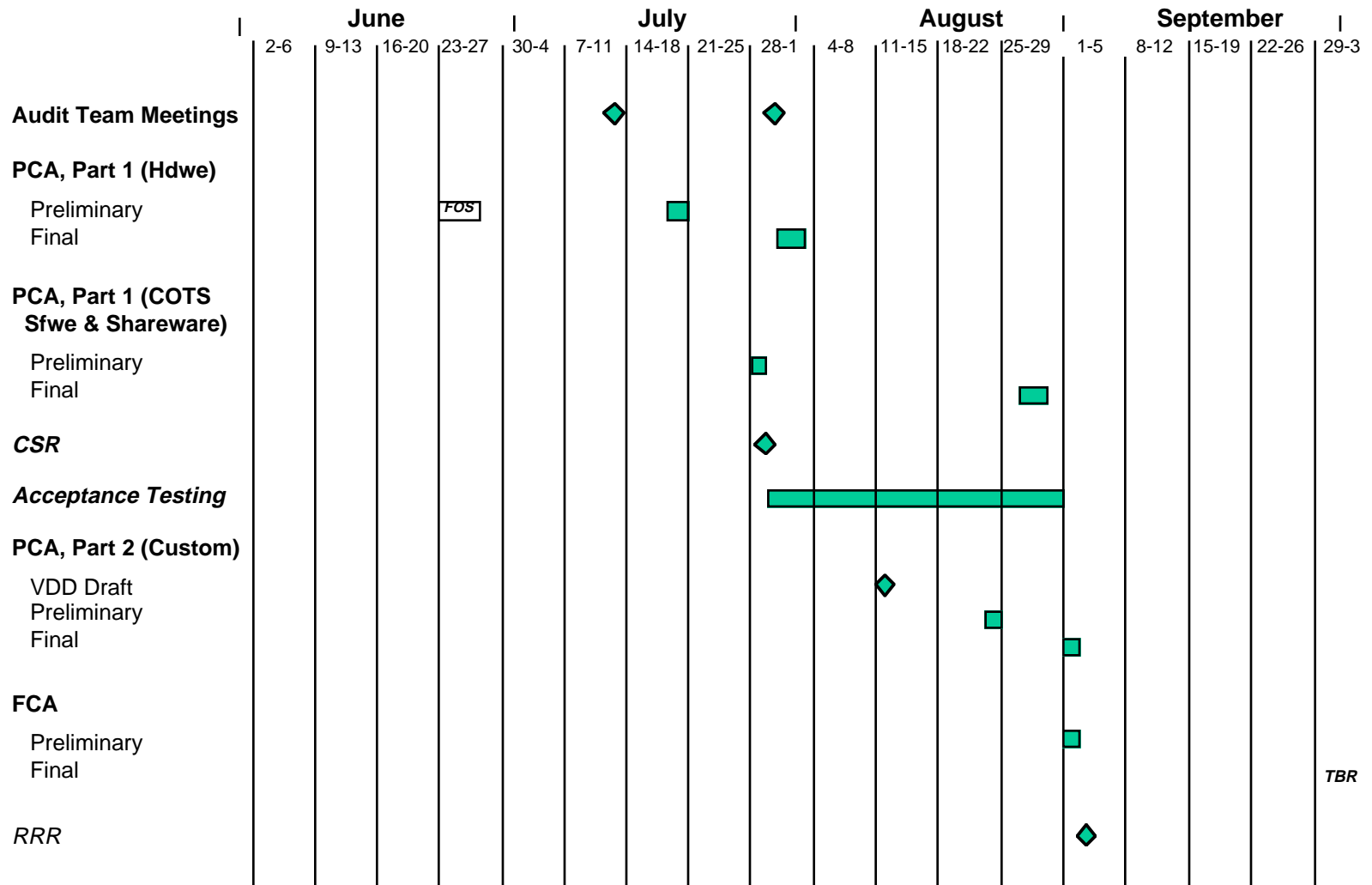
Figure 4-2. FOS, Release-B Schematic Audit Report Chart

5. Audit Results

5.1 PCA, COTS Hardware

This audit found minor errors in documentation and records and recorded 20 NCRs:

- Hardware diagram. Inconsistencies with installation.

- Floor plan. Incorrect room numbers.

- Cable Management Plan. Discrepancies in cable arrangements.

- Hardware Network Diagram. Incorrect address and cable locations.

- VCATS listings. Missing or inaccurate data.

- Documentation list. Incorrect accounting.

All discrepancies have been corrected and the NCRs closed. See Appendix 1 for complete listing.

5.2 PCA COTS Software

This audit found errors in software configuration and recorded 19 NCRs:

- Software to be installed (or removed).

- Missing version identification and patches.

These discrepancies are being corrected. See Appendix 2 for complete listing.

5.3 PCA Custom Code

This audit found minor errors in setup and configuration and recorded 10 NCRs:

- Correction of installation and documentation required.

- Unique CM directories and EOC files found.

- Missing / additional files for EOC detected.

These discrepancies are being corrected. See Appendix 3 for complete listing.

5.4 PCA Certification

5.4.1 PCA, COTS Hardware

Audit team members, to include government members, certified that COTS hardware installed at the GSFC EOC will conform to the FOS Product Baseline (specified in ECS Document number 360-TD-001-001) upon resolution of NCRs 1 through 20. These NCRs have been closed and the COTS hardware configuration is considered to be in conformance to the Product Baseline.

5.4.2 PCA, COTS Software and Shareware

Audit team members, to include government members, certified that the "as installed" configuration of COTS and shareware installed at the GSFC EOC will conform to FOS, Release B Product Baseline upon resolution of the NCRs 1 through 19.

5.4.3 PCA, Custom Software

Audit team members, to include government members, certified that "the "as built" custom software installed on the FOS equipment at the EOC will conform to FOS, Release B Product Baseline upon resolution of the NCRs 1 through 10.

5.4.4 FCA

The preliminary Functional Configuration Audit of FOS Release B for the ECS Project was held on September 1, 1997 at the ECS Landover facility. Final FCA will be scheduled. No turnover of the custom code has been accomplished.

5.5 Material Inspection and Receiving Report

The Material Inspection and Receiving Report (DD Form 250) was prepared by the audit team and provided to ECS Contracts Office on September 2, 1997.

6. Lessons Learned

6.1 Requirement

The requirement to conduct an audit must be accompanied with clear direction as to what the audit is to "produce". This should be stated in terms of output (e.g., specific product(s) delivered) and turnover to a receiving organization.

Slippage in the development schedule pushed audits back too far in the limited time available between CSR and RRR.

6.2 Conduct of the Audits

Team members must be appointed to an audit team by their office managers for the length of the audit. Too often, key members were removed from an audit without replacement.

Some team members considered themselves as only part-time on the audits, whereas their participation was required whenever the team met or an audit was scheduled.

6.3 Results

6.3.1 Preliminary Audits

Preliminary audits were helpful in correcting some discrepancies, but the configuration was dynamic and additional (or recurring) discrepancies were found upon return. Examples:

- Hardware that was in one place during the preliminary, was elsewhere for the final.
- New COTS packages were installed on machines while audits (both preliminary and final) were being conducted.

Time and resources permitting preliminary audits are good business practice.

6.3.2 Final Audits and Certification Process

Certification process made team members realize their responsibilities.

An audit should never be conducted on the eve of an RRR.

Output files need to be defined and softcopy made available.

Softcopy of CM and EOC files have to be provided in advance before discrepancies can be executed to generate a comparison report.

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Appendix A. PCA, Part 1 (COTS Hardware)

Bug ID	ECSed08804
Title	"PCA: Table 4-1. FOS COTS Software inventory list"
Severity	3
Problem	DEC Servers [Real Time (3), Data (3)] *BOBCAT (*fasvd04) & *PANTHER* (fasvd01):
	Digital Unix (formerly DEC OSF/1) document version: change from 3.2 to 3.2d-2 Doc. Patch: change from OSF 365-29 to OSF 365-029

	Add patches to list: OSF 365-350248
	      SSRT038301
	      SSRT035901
	      SSRT037901

	-X/motif
	  Document version: change from x11R6 to X11
	  Note: Remove Doc. footnote 1 & delete-(base on 1.2.3)
	     Remove Doc. Footnote2

	-C Compiler
	  Document version should be 4
	  Doc.Path structure: should be /usr/ccs/lib/cmplrs/cc
	  Doc. vendor: should be DEC

Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08805
Title	"PCA: Table 4-1. FOS COTS Software Inventory List"
Severity	3
Problem	Dec Servers *LEOPARD* (f0svd06) & *TIGER* (f0svd03) - wrong document versions - incorrect patch info for COTS - software missing from inventory - correct path Structure -correct vendor -remove DEC FUSE from list

	-Digital UNIX
	  Document Version: change from 3.2 to 3.2d-2
	  DOC. Patch: Change from OSF 365-29 to OSF 365-029
	  Add patches to list: OSF 365-350248
	      SSRT 038301
	      SSRT 035901
	      SSRT 037901

	X/Motif. Document version: change from x11R6 to X11 -C Compiler Document version should be 4 Doc.Path Structure: should be /usr/ccs/lib/cmplrs/cc Doc. Vendor: should be DEC -DEC FUSE should be removed from list
Analysis	
Resolution	
Verification	
Action Taken	

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Bug ID	ECSed08806
Title	"PCA: Table 4-1. FOS COTS Software Inventory list"
Severity	3
Problem	*PUMA* (f0svd05) & *JAGUAR* (F0svd02)

Problem	DEC Servers [Real Time (3), DATA (3)] *LEOPARD* (f0svd06) & *TIGER* (f0svd03)
	 Digital UNIX:
	 Document version: change from 3.2 to 3.2d-2
	 Doc. Patch: change from OSF 365-29 to OSF 365-029
	 Add Patches to list: OSF 365-350248
	       SSRT 038301
	       SSRT 035901
	       SSRT 037901
	
	 -X/MOTIF:
	 Document version: change from x11R6 to x11
	
	 -C Compiler
	 Doc. ver. should be 4
	 Doc. path structure: should be /usr/ccs/lib/cmplrs/cc
	 Doc. Vendor: should be "DEC"

Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08807
Title	"PCA: Table 4-1. FOS COTS software inventory list"
Severity	3
Problem	*HIPPO* (F0usg04): -sepmon & insight needs to be removed from list. -ProDev C++ should be Developer Magic Workshop; change version 6.2 to 2.6.4 -4DMM should be Desktop Window Manager; version should be 6.2 - path structure: should be /usr/bin/x11 -desktop_base should be Indigo Magic Desktop Base - version: should be 6.2 - path structure: should be /usr/lib/desktop -Web access library is the correct name with version 1.0 -Object System; version should be 6.2 -Motif should be IRIXIM (MOTIF); version: should be 6.2 -SGI Tc1 base should be SGI Tc1; version: should be 1.1 instead of 7.4 -PC_NFS Server Component Software is correct instead of PCF_NFS Server Component Software
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08808
Title	"PCA: FOS Rel B VDD/Table 4-1"
Severity	3
Problem	Brown Console Manager 1) Add C compiler version 4 /usr/ccs/bin 2) OSF/Motif change version to x11, change path to /usr/bin/x11 3) POLYCENTER Console change version to 1.6-100 4) Change operating system to 3.2 C Black Console Manager: 1) Add DMQ-RTO 　　DCE-RT_SVC 　　ACAS-RT 　　C Compiler ver. 4 path_ /usr/ccs/bin 　　　　　　　　　　　　(part of OS) 2) Delete bookbrowser from table 3) Add to shareware table under /usr/bin emacs, pixie 4) Change operating system to 3.2C 5) OSF/Motif change version to x11, change path to /usr/bin/x11 6) Polycenter console change version to 1.5.10
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08819
Title	"PCA: FOS Rel B VDD/Table 4-1a"
Severity	3
Problem	Corrections to Table 4-1a. Solaris Patch List: To Sun Ultra1: Add *TUNA, PYTHON, COBRA, AND COPPER* Sun Ultra2: remove *PYTHON* SPARC station - 20: add *KODIAK*
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08820
Title	"PCA: FOS Rel B VDD, Table 4-1"
Severity	3
Problem	HP Management Console corrections to table: 1) HP_UX Add the following patches 　　　　PHCO-10384 　　　　PHNE-10364 　　　　PHNE-10902 2) X/Motif - add version x11 *Polar 3) Tivoli Server - add Patch Service_Pack_01 4) HPOV - add path /usr/ov 5) Add path C/ANSI /opt/ansic/bin/cc 6) Change path of C Compiler to: /usr/ccs/bin * grizzly Tivoli Server remove (not installed) 　change path to /data/local/Tivoli, add 　patch Service_Pack_01 8) Polar and grizzly change version 3.0.1 to 3.0
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08821
Title	"PCA: FOS Rel B VDD, Table 4-1"
Severity	3
Problem	Remedy has not been installed on *POLAR*, the MSS server.
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08822
Title	"PCA: FOS Rel B VDD, Table 4-1"
Severity	3
Problem	Changes required to HP-*ZEBRA*, workstation: 1) Add to C compiler 　version 4, path /usr/ccs/bin 2) Add to C++ compiler 　version C.05.25, path /opt/softbench 3) Tivoli Client not installed yet 　add not installed under product 　change version 3.0.1 to 3.0
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08823
Title	"PCA: FOS Rel B VDD, Table 4-1"
Severity	3
Problem	FOS Rel B VDD, Table 4-1. DEC File Servers, Patches not applied
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08824
Title	"PCA: FOS Rel B VDD, v2.00.00/Table 4-1"
Severity	3
Problem	FOS Rel B VDD, v2.00.00/Table 4-1. Tivoli Clients needs to be installed on 14 Sun Ultra 1 (*RATTLES, FLYS, BEETLES, TROUTS, BARRACUDOS, STINGRAYS, FLOUNDERS, SALMONS, MARLINS, PIKES, PERCHS, BOAS, COBRAS, KOALA* (currently known as *TORONTO*). Tivoli client needs to be installed on 1 Sun Sparc 20 (*KODIAKS*)
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08913
Title	"PCA: FOS Rel B VDD/Table 4-1"
Severity	3
Problem	FOS Rel B VDD/Table 4-1. Need a new table for *TORONTO* (formerly known as *KOALA*).
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08914
Title	"PCA: FOS Rel B VDD/Table 4-1"
Severity	3
Problem	FOS Rel B VDD/Table 4-1. DEC File Server (*COUGAR*), patch unknown. The file which documents which patches were installed has been removed, therefore not able to identify patches.
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08915
Title	"PCA: FOS Rel B VDD/Table 4-1"
Severity	3
Problem	FOS REl B VDD/Table 4-1. Corrections to Sun Ultra Table 4-1: -Solaris Answer Book, version changed rom 2.5 to 3.5.1 -Tivoli Client path was /usr/Tivoli to /data/Tivoli -*GIRAFFE* - remove Sun Wabe 2.2 from table
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08916
Title	"PCA: FOS Rel B VDD, v. 2.00.00/Table 4-1"
Severity	3
Problem	FOS Rel B VDD, v.2.00.00/Table 4-1. XRP II License problem on *GIRAFFE*. XRP II has been installed, but is not functional due to a license problem.
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08917
Title	"PCA: FOS Rel B VDD/Table 4-1"
Severity	3

Problem	FOS Rel B VDD/Table 4-1. Changes should be made to Table 4-1 for the DEC File Servers (1 of 3):
	1) *Chetah* and *LION* operating sys change to 3.2D-2
	) *COUGAR* operation sys. change to 3.2 C
	3) *CHEETAH* and *LION* remove patches listed because they have not been installed yet
	4) *CHEETAH*, remove (OPS LAN from IDL) change path to /fostools/solaris/rsi/idl_4
	5) IMSLC change path to /fostools/dec/imsl/dec 3.2
	       /fostools/solaris/imsl/Sun 5.5
	       fostools/hp/imsl/hpux 10.10
	       fostools/sqi/imsl/irix 6.2
	6) Remove from netscape the words (for the SUN)
	  Add to Netscape: Netscape 3.01 /usr/local/dec
	  Netscape 3.01 /usr/local/hp
	  Netscape 3.01 /usr/local/sgi
	7) List Sybase only once, the same software for all platforms)
	8) Lion for POLYCENTER Advanced File system change path to /usr/opt/dxadvfs
	9) *IMSLC change paths to /fostools/dec/imsl/dec 3.2
	 /fostools/solaris/imsl/sun 5.5
	 /fostools/hp/imsl/hpux 10.10
	 /fostools/sgi/imsl/irix 6.2
	10) Microsoft Windows remove "s" from wabiusers
	  Microsoft Office remove "s" from wabiusers
	11) lion *Netscape (for the SUN) remove (for the SUN)
	  Add *Netscape 3.01 /usr/local/dec
	       *Netscape 3.01 /usr/local/hp
	       *Netscape 3.01 /usr/local sgi
	12) Cougar remove "(support LAN)" from IDL and change path to /fostools/solaris/rsi/idl - 4
	13) Add for IMSL C (*COUGAR*), the following paths in tbl
	       /fostools/dec/IMSL/dec 3.2
	       /fostools/solaris/IMSL/sun 5.5
	       /fostools/hp/IMSL/hpux 10.10
	       /fostools/sgi/IMSL/irix 6.2
	Note: Remove from directory on cougar (clean up)
	       /fostools/IMSL/dec 3.2
	       /fostools/IMSL/sun 5.5
	       /fostools/IMSL/ hpux 10.10
	       /fostools/IMSL/irix 6.2
	14) *COUGAR* remove from table Sybase Server/Client (HP) (SUN)
	  remove from Sybase Server/Client "(DEC), replace with "(all platforms)"

Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08918
Title	"PCA: FOS Rel B VDD, Table 4-1"
Severity	3
Problem	FOS Rel B VDD, table 4-1. DEC Storage works is not part of the software baseline. DEC storage works is referring to the name of the RAID (hardware) and should be removed from TRR and CSR presentations where the baseline includes it as software.
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08919
Title	"PCA: FOS Rel B VDD/Table 4-2"
Severity	3
Problem	FOS Rel B VDD/Table 4-2. Corrections to Table 4-2. FOS Shareware: -Add a line to DEC File Servers: will read DEC File Servers (Locally mounted from SUN) -Move acrobat reader, emacs, XV, crack under perl on table -Remove Webserver and replace with Browser on linc with Mosaic -ntpg should be ntp9 -TCP Wrappers add version 1.10 -Acrobat reader, change path to /usr/local/solaris/Accrobat 3 -emacs, change path to /usr/local/solaris/FsFrmac
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08920
Title	"PCA: FOS Rel B VDD/Table 4-2"
Severity	3
Problem	FOS Rel B VDD/ Table 4-2. TCPWrappers not installed on the DEC servers and File servers, HP, and the SGI. TCPWrappers is currently installed on the SUN Ultra1, Sun ULTRA 2, and Sparc 20 only. It needs to be installed on the DEC Servers and Data Storage Units, HP, and the SGI.
Analysis	
Resolution	
Verification	
Action Taken	

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Appendix B. PCA, Part 1 (COTS/Shareware Software)

Bug ID	CSed08144
Title	PCA: Floor plan-all rooms
Severity	3
Problem	Floor plan - all rooms: C210, C210A, C210D, C210E, C210H & N219. Remove cable numbers from floor plans.
Analysis	Removed electrical circuits and cable numbers from the floor plans.
Resolution	Removed electrical circuits and cable numbers from the floor plans.
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	Closed by NCR review Board.

Bug ID	ECSed08145
Title	PCA: Hardware Diagram Design B-2
Severity	3
Problem	Hardware Diagram Design B-2 Discrepancies and notes: change 1581 (black fascdl) 2GB to 3GB (based on attached query record) change parent 2416 EIN of 4mm tape drive from 2430 to 2418 add to parent 1578 box for terminal server EIN=1582 add to parent 1581 box for terminal server EIN = 1579 In 2nd box (Real time server) for parent 1917 add description for leopard(s) f0svd06 Notes: all parent/child boxes should have some type of attachment to show the relationship Notes: for parent 1603 the EINs for the ethernet switches are out of order. The order should be 4397, 4402, 4394, 4395 to show the same order as the cabinet Notes: for parents 4288 & 1603 the Time Gateway Sync Gen. Boxes should be moved below the Tymserver 2000 boxes to indicate the same order as in the cabinet.
Analysis	Colleen Duffy updated the document per the PCA redlines.
Resolution	Colleen Duffy updated the document per the PCA redlines.
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	Closed by NCR Review Board.

Bug ID	ECSed08158
Title	PCA: Hardware Network Diagram/C-2
Severity	3
Problem	Hardware network Diagram/C-2 Update the network diagram to reflect the results of PCA There is no ethernet connection on either Polar(s) famsh01 or Grizzly(s) facsh01 Magilla faprh01 is incorrectly spelled as magila faprh01
Sugg Action	Remove the E5 & E6 from the bottom of the 2 respective boxes. Correct the spelling to magilla.
Analysis	Randy Haynes updated the document per the PCA redlines.
Resolution	Randy Haynes updated the document per the PCA redlines.
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	Closed by NCR Review Board.

Bug ID	ECSed08159
Title	PCA: Cable Mgt Plan (CMP) OPS Lan
Severity	3
Problem	Cable Mgt Plan (CMP) Ops Lan discrepancies APPENDIX D- (D-1 thru D-8) GEO006- should be F0USS26 GEO054- to area should be C210H GEO161 - should be F0USS38 GEO163 - should be F0USS37 GEO202 - should be FAUSS27 GEO218 - to area C210H GEO220 - to area C210H GEO221 - to area C210H Cable Mgt. Plan (CMP) Support Lan discrepancies (D-8 thru D-12) GES005 - should be F0USS26 GES031 - delete FAMSH01 GES032 - delete FACSH01 GES051 - delete E07P05 GES055 - to area C210H GES162 - should be F0USS38 GES164 - should be F0USS37 GES201 - should be FAUSS27 GES219 - to area C210H GES222 - to area C210H
Analysis	Correct all discrepancies on the Cable Management Plan.
Resolution	Corrected all discrepancies on the Cable Management Plan.
Verification	Joe Spyrison & Felicia Harris reviewed and verified Documentation.
Action Taken	Closed by NCR Review Board.

Bug ID	ECSed08160
Title	"PCA: VCATS: EIN 1464/E-8 thru E-11"
Severity	3
Problem	VCATS: EIN 1464/E-8 thru E-11 Monitor & Keyboard Discrepancies Missing monitor (EIN 1466); Serial number JP01171148 Keyboard serial number should be MX62200070
Analysis	Added Monitor (ECN 1466) and changed keyboard serial number.
Resolution	Added Monitor (ECN 1466) and changed keyboard serial number.
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	Closed by NCR Review Board.

Bug ID	ECSed08161
Title	"PCA: Documentation List (Appendix F (F1 thru F-7)"
Severity	3
Problem	FOS COTS Hardware for Release B/Appendix F (F1 thru F-8)
	The document list requires additions, deletions for items found on the shelf that should not be there, and typos
	See Attachment: Documentation list discrepancies.
	Note: Quantity of documents should be added to the list. A complete document count should be done by the RRR timeframe.
Analysis	Colleen Duffy updated the document per the PCA redlines and documentation list discrepancies.
Resolution	Colleen Duffy updated the document per the PCA redlines and documentation list discrepancies.
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	Closed by NCR Review Board.

Bug ID	ECSed08163
	"PCA: VCATS: EIN 1581/E-14 thru E-15"
Severity	3
Problem	VCATS: EIN 1581/E-14 thru E-15
	Terminal server & Keyboard Discrepancies
	2nd terminal server - missing EIN # Label
	Keyboard serial number - change from 22061381 to 22061387.
Analysis	Added 2nd Terminal Server, had ECN sticker (ECN 2546) attached to Server and changed keyboard serial number.
Resolution	Added 2nd Terminal Server, had ECN sticker (ECN 2546) attached to Server and changed keyboard serial number.
Verification	Added 2nd Terminal Server, had ECN sticker (ECN 2546) attached to Server and changed keyboard serial number. Charles Coleman of EOSDIS QA and Felicia Harris of ECS CM reviewed and verified the documentation.
Action Taken	NCR closed by review board.

Bug ID	ECSed08164
Title	"PCA: VCATS: EIN 1586/E18-E20"
Severity	3
Problem	VCATS: EIN 1586/E18-E20
	2 FDDI Adapters & 1 tape drive missing.
	Listing is missing 2 FDDI Adapter-dual attached FDDI cards
	Listing is also missing 1 tape drive DAT (4 mm).
Analysis	NOT missing two FDDI Adapters added additional 4mm tape drive.
Resolution	NOT missing two FDDI Adapters added additional 4mm tape drive.
Verification	Charles Coleman of EOSDIS QA and Felicia Harris of ECS CM reviewed and verified the documentation.
Action Taken	NCR closed by review board.

Bug ID	ECSed08165
Title	"PCA: VCATS: EIN 1584 / E-16 thru E-17"
Severity	3
Problem	VCATS: EIN 1584/E-16 thru E-17 Missing Data Discrepancies
	Missing additional - FDDI-Adapter-dual attached FDDI
	NOTE: The Tape drive 4 mm DAT should be a tape drive 4x4mm Dat
Analysis	Added additional FDDI card. "Tape Drive" is going to remain as "Tape Drive" so as not to confuse people that there is a "Tape Stacker" attached to this device.
Resolution	Added additional FDDI card. "Tape Drive" is going to remain as "Tape Drive" so as not to confuse people that there is a "Tape Stacker" attached to this device.
Verification	Felicia Harris and Joe Spyrison reviewed and verified the documentation.
Action Taken	NCR closed by review board.

Bug ID	ECSed08166
Title	"PCA: VCATS: EIN 4934/E96"
Severity	3
Problem	VCATS: EIN 4934/E96 Missing 2.1 GB HD-internal
	VCATS Listing is missing a 2:1GB Hard Drive - Internal
Analysis	Added additional 2.1 GB HD
Resolution	Added additional 2.1 GB HD
Verification	Charles Coleman of EOSDIS QA and Felicia Harris of ECS CM reviewed and verified the documentation.
Action Taken	NCR closed by review board.

Bug ID	ECSed08167
Title	"PCA: VCATS: EIN 2427/E67-E68"
Problem	VCATS: EIN 2427/E67-E68
	2 CD ROMS are listed but there is only 1 CD ROM, no additional card is listed.
	Listing contains 2 entries for a CD Rom
	- CD Rom -4x for J Class Systems and
	- CD Rom Drive - 4x Factory but there is only 1 CD ROM in the machine.
	The Machine has 1 additional ethernet card which is not listed on VCATS.
Analysis	VCATS has two line items referencing same CD-ROM. Added additional Enet Card.
Resolution	VCATS has two line items referencing same CD-ROM. Added additional Enet Card.
Verification	Charles Coleman of EOSDIS QA and Felicia Harris of ECS CM reviewed and verified the documentation.
Action Taken	NCR closed by review board.

Bug ID	ECSed08168
Title	"PCA: VCATS: EIN 2416 / E65-E66"
Severity	3
Problem	VCATS: EIN 2416 / E65-E66
	SG1 Camera Missing
	SG1 Camera serial number 0122701 is not on the VCATS listing.
Analysis	`Added SGI camera.
Resolution	Added SGI camera.
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	Closed by NCR Review Board.

Bug ID	ECSed08169
Title	"PCA: VCATS: EIN 1578/E-12 thru E-14"
Severity	3
Problem	VCATS: EIN 1578/E-12 thru E-14
	Alpha Station & Monitor Discrepancies
	Missing Alpha station (EIN 1578); Serial number should be NI61101M5T
	Missing Monitor (EIN 1580); Serial number should be 4K543Q1423
	Terminal server #2: Remove EIN 1917 from VCATS. Server needs an EIN # Label.
	Note: Query report shows 96 MB while VCATS shows 64MB.
Analysis	Added Alpha Station (ECN 1578) & serial number. Added Monitor (ECN 1580)
	Attached sticker (ECN 2547) to Terminal Server. Changed report to better identify amount of RAM.
Resolution	Added Alpha Station (ECN 1578) & serial number. Added Monitor (ECN 1580)
	Attached sticker (ECN 2547) to Terminal Server. Changed report to better identify amount of RAM.
Verification	Pending Verification when research is completed with serial number DR084F1 to tape drive-4mm Internal DAT.
	During the PCA, Auditor found a tape drive with EIN# 1590 and SN# 3D44800773.
	Charles Coleman of EOSDIS QA and Felicia Harris of ECS CM reviewed and verified the documentation.
Action Taken	NCR closed by review board.

Bug ID	ECSed08177
Title	"PCA: VCATS: EIN 1963/E36"
Severity	3
Problem	VCATS: EIN 1963 / E36
	Genilink 941 10BaseeT and microplex ethernet print server
	The Genilink 941 10BaseT T/2 Network is incorrectly identified as having a serial number
	The Micro Plex Ethernet Print Server is missing. It's serial number is 28594
Analysis	Corrected hardware descriptions and added Enet Print Server
Resolution	Corrected hardware descriptions and added Enet Print Server
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	Closed by NCR review board.

Bug ID	ECSed08178
Title	"PCA: VCATS: EIN 2213/E63-E64"
Severity	3
Problem	VCATS: EIN 2213/ E63-E64
	wrong room # and missing CD ROM drive
	Room H should be C210E
	Internal CD ROM Drive is not reflected on VCATS printout
Analysis	Changed room number and added CD-ROM
Resolution	Changed room number and added CD-ROM
Verification	Charles Coleman of EOSDIS QA and Felicia Harris of ECS CM reviewed and verified the documentation.
Action Taken	NCR closed by review board.

Bug ID	ECSed08179
Title	"PCA: VCATS: 1978, 1989,1999, 2183, 2189, 2201/E39&E41, E44, E59-E62"
Severity	3
Problem	VCATS: 1978, 1989, 1999, 2183, 2189, 2201, 2202, / E39&E41, E44 E59-E62 Room #'s are wrong
	ein: 1978 RM# should be: C210E
	ein: 1989 RM# should be: C210E
	ein: 1999 RM# should be: C210
	ein: 2183 RM# should be: N217
	ein: 2189 RM# should be: C210
	ein: 2201 RM# should be: C210
	ein: 2202 RM# should be: C210
Analysis	Corrected room number
Resolution	Corrected room number
Action Taken	Closed by NCR Review Board.

Bug ID	ECSed08181
Title	"PCA: VCATS: EIN 1107, 1914, 1917 & E24-E32"
Severity	3
Problem	VCATS: EIN 1107, 1914, 1917, /E3-E4 & E24-E32 incorrect serial numbers and notes
	ein: 1107 serial number for keyboard should be MX54222744
	ein: 1914 serial number for 67 inch cabinet should be NI64703OXC
	ein: 1917 serial number for 67 inch cabinet should be NI 63700JMS
	Notes: (ein 1914) (2) 4x4mm DAT Tape Drive are identified as Tape Drive - 4mm DAT (EIN 1914 & 1917) header is duplicated after the 3rd page
	Notes: (ein 1917) 1918, 1919, 1920 & 1921 all have 3 _ floppy drives which are not identified however racks 1586 & 1584 identify their associated floppy drives.
Analysis	Corrected keyboard serial number and added 3.5 floppy drive.
Resolution	Corrected keyboard serial number and added 3.5 floppy drive.
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	NCR closed by review board.

Bug ID	ECSed08182
Title	"PCA: VCATS: EIN 4288/E83-E85
Severity	3
Problem	VCATS: EIN 4288/E83-E85 incorrect
	EINS 7 Tymserve 2000 missing.
	EIN for Ether switch w/serial number 10846160075070JC should be 4398
	EIN for FDDI-Multimode Connector w/serial number 08366172771010BC should be 4398
	Missing DATUM Tymserve 2000 with EIN 4403
Analysis	Corrected EIN's and added Tymserve 2000
Resolution	Corrected EIN's and added Tymserve 2000
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	Closed by NCR Review Board.

Bug ID	ECSed08183
Title	"VCATS/E2 VCATS listing"
Severity	3
Problem	VCATS / E2 VCATS listing incorrect EIN #
	Record #34 EIN is shown as 2378 it should be 2178.
Analysis	Felicia Harris updated the document per the PCA redlines.
Resolution	Felicia Harris updated the document per the PCA redlines.
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	Closed by NCR Review Board.

Bug ID	ECSed08184
Title	"PCA: VCATS: EIN 1603/E-22 thru E-23"
Severity	3
Problem	VCATS: EIN 1603/E-22 thru E-23
	Incorrect EIN & missing device.
	DATUM TIME CODE; EIN number change from 4410 to EIN 1799.
	Add "Datum Tymserve 2000 w/EIN # 4410
Analysis	Corrected EIN and added Tymserve 2000.
Resolution	Corrected EIN and added Tymserve 2000.
Verification	Joe Spyrison & Felicia Harris reviewed and verified documentation.
Action Taken	Closed by NCR Review Board.

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Appendix C. PCA, Part 2 (Custom Software)

Bug ID	ECSed08809
Title	PCA audit - missing README file
Severity	3
Problem	README file not included in the VDD document which corresponds to FOS Release B.
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08810
Title	PCA audit - copyright file not included in the VDD
Severity	3
Problem	Copyright file missing from the VDD document which corresponds to the FOS Release B system.
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08811
Title	PCA audit - config directory eoc-specific files to be added
Severity	3
Problem	The following files appear only at the EOC and either need to be added to the installation scripts from DMS to clearcase or added as eoc-specific files to clearcase: FaCsConfigFile.cnfg FaCsConfigItems.cnfg FaRtConfigItems.cnfg FdFtConfigItems.cnfg FdFtConfiguration.cnfg PoolManagerDB.cnfg delete_main_tgt_tbl.sql delete_temp_tgt_tbl.sql
Analysis	
Resolution	
Verification	
Action Taken	

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Bug ID	ECSed08812
Title	PCA audit - Data directory eoc-specific file updates
Severity	3
Problem	The following files appear only at the EOC and either need to be added to the installation scripts from DMS to clearcase or added as EOC specific files to clearcase: FoTvServerHost.odf FosHome.html back.html forward.html opscene.html
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08813
Title	PCA audit - DB directory eoc-specific files
Severity	3
Problem	The following files appear only at the EOC and either need to be added to the installation scripts from DMS to clearcase or added as EOC specific files to clearcase: .sqr_env PoolManagerDB.scp access.sql alter_act_activity_pst.script alter_act_activity_pst.sql alter_res_constraint_pst.script bcp_conpdb_in.script1 bcp_conpdb_out.script checkTimeInterval.proc cmd_desc.fmt cmd_fixdata.fmt cmd_flddef.fmt cmd_lgdesc.fmt cmd_maskgrp.fmt cmd_mmask.fmt cmd_mnem_rpt.fmt cmd_parm.fmt cmd_pstate.fmt cmd_tbldef.fmt cmd_vardata.fmt cmd_verify.fmt create_act_tbls.sql create_idf_tbls.sql create_mis_tbls.sql create_pln_tbls.sql create_pln_trigs.sql create_res_tbls.sql create_sns_tbls.sql db_genpdbrpts_usr.html db_util_usr.html drop_actcomponent_tbls.sql drop_activity_tbls.sql drop_bap_tbls.sql

drop_fdf_ops.sql
drop_fdf_procs.script
drop_fdf_procs.sql
drop_fdf_tables.script
drop_fdf_tbls.sql
drop_fdf_trigs.script
drop_fdf_trigs.sql
drop_fdf_unv.sql
drop_fdf_val.sql
drop_help_tbls.sql
drop_idfact_tbls.sql
deop_parameter_tbls.sql
drop_plan_tbls.sql
drop_resource_tbls.sql
drop_sns_register_pst.sql
systempids.script
targetEvent.sql
tlm_calcurve.fmt
tlm_constant.fmt
tlm_context.fmt
tlm_delta.fmt
tlm_derived.fmt
tlm_desc.fmt
tlm_dstate.fmt
tlm_lgdesc.fmt
tlm_limsel.fmt
tlm_lineconv.fmt
tlm_mnem_exists.fmt
tlm_mnem_rpt.fmt
tlm_packet.fmt
tlm_parm.fmt
tlm_polyconv.fmt
tlm_tylim.fmt
tools/ins_user_roles.script
tools/ins_user_roles.sql
tools/sel_user_roles.script
tools/sel_user_roles.sql
tools/trunc_user_roles.sql
tools/user_roles.sql
tools/user_roles_data.sql
user_roles_data_ist.sql
user_roles_data_ist2.sql
resource.sql
file_meta.fmt
fos_activity_data.sql
fos_dir_data.sql
fos_file_data.sql
fos_load_cat.fmt
ist_dba_env.script

Analysis
Resolution
Verification
Action Taken

Bug ID	ECSed08814
Title	PCA audit - Displaydefs directory eoc-specific files needed
Severity	3
Problem	The content of the following file was found to be different at the EOC from the CM version: toolSystem.dat
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08815
Title	PCA audit - External directory eoc-specific file needs updating
Severity	3
Problem	The following file in the external directory at the EOC was different than the CM version: fdf.script
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08816
Title	PCA audit - FDF directory eoc-specific updates
Severity	3
Problem	The following files appear only at the EOC and either need to be added to the installation scripts from DMS to clearcase or added as EOC specific files to clearcase: checkTimeInterval.proc cre_fdf_tbls.sql fdf_date fdf_time format/azm_sunmoon.fmt format/azm_sunmoon_hdr.fmt format/eos_brolyn_elem_fdf.fmt format/s2g_stat_vect_fdf.fmt format/tdrs_brolyn_elem_fdf.fmt format/tdrs_st_vect_fdf.fmt load_tab_num pre_eos_am1_ephem_ins.trig The following directories were included in the CM delivered version and were not found at the EOC under /fdf: /data /log
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID	ECSed08817
Title	PCA audit - Scripts/setup directory eoc-specific updates
Severity	3
Problem	The following files appear only at the EOC and either need to be added to the installation scripts from PAS to clearcase or added as EOC specific files to clearcase: FOS_LOGIN db/act_init db/all_init db/bap_init db/constr_init db/create_am1_dbs db/drop_am1_dbs db/evtype_init db/mode_init db/plan_init db/role_init db/rs_init db/sql/create_act_tbls.sql db/sql/create_act_trigs.sql db/sql/create_baps_trigs.sql db/sql/create_fos_tbls.sql db/sql/create_idf_tbls.sql db/sql/create_mis_tbls.sql db/sql/create_pas_tbls.sql db/sql/create_pas_trigs.sql db/sql/create_pln_tbls.sql db/sql/create_pln_trigs.sql db/sql/create_res_tbls.sql db/sql/create_sns_tbls.sql db/sql/create_sta_trigs.sql db/sql/drop_fos_tbls.sql db/sql/drop_name_srvr.sql db/sql/drop_pas_tbls.sql db/sql/insert_fos_tbls.sql db/sql/name_srvr.sql db/sql/name_srvr_data.sql setup.site
Analysis	
Resolution	
Verification	
Action Taken	

Bug ID :	ECSed08818
Title	PCA audit - VDD representation of periodic eoc-specific updates
Severity	3
Problem	The procedure for documenting the periodic eoc-specific file updates in the VDD needs to be established. Specifically how can a periodic update of only eoc-specific files be delineated in the VDD. From the perspective of the VDD, how can the reader determine which delivered files are eoc-specific files?
Analysis	
Resolution	
Verification	
Action Taken	

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Abbreviation and Acronyms

CCB	Change Control Board
CCR	Configuration Change Request
CDR	Critical Design Review
CDRD	Contract Data Requirements Document
CDRL	Contract Data Requirements List
CI	Configuration Item
CM	Configuration Management
CMO	Configuration Management Office
COTS	Commercial Off-The-Shelf
CSCI	Computer Software Configuration Item
CSR	Consent to Ship Review
CSS	Communications Sub-System
DAAC	Distributed Active Archive Center
DD	Department of Defense
DID	Data Item Description
DMO	Data Management Organization
ECS	EOSDIS Core System
EDF	ECS Development Facility
EDHS	ECS Data Handling System
EOC	ECS Operations Center
EOSDIS	Earth Observing System Data and Information System
ER	Equipment Room
FCA	Functional Configuration Audit
FOS	Flight Operations Segment (ECS)
GSFC	Goddard Space Flight Center
HITC	Hughes Information Technology Company

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HWCI	Hardware Configuration Item
IRD	Interface Requirements Document
ISS	Internetworking Sub-System
L4	Level 4
M&O	Maintenance and Operations
MIL STD	Military Standard
MIRR	Material Inspection and Receiving Report
MSS	Management Sub-System
NASA	National Aeronautics and Space Administration
NCR	Non-Conformance Report
NLT	Not Later Than
PBL	Product Baseline
PCA	Physical Configuration Audit
PI	Project Instruction
QA	Quality Assurance
QO	Quality Office
RAID	Redundant Array of Inexpensive Disks
RBRs	Requirements by Release
Rel A	Release A
RRR	Release Readiness Review
RTM	Requirements and Traceability Management
SDPS	Science Data Processing Segment (ECS)
SOW	Statement Of Work
VCATS	Vendor Cost And Tracking System
VDD	Version Description Document
WBS	Work Breakdown Structure
WP	White Paper